

Converting Colors

$Y_{xy}(42.5459, 0.2825, 0.2143)$

Have a look what the booklet for
Yxy(42.5459, 0.2825, 0.2143)
contains.

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Color

Yxy(42.5459, 0.2825, 0.2143)

Conversions

Conversions Part 1

Format	Color
Hex	D594FF
RGB	213, 148, 255
RGB Percent	84%, 58%, 100%
CMY	0.1647, 0.4196, 0.0000
CMYK	0.16, 0.42, 0.00, 0.00
HSL	276°, 100%, 79%
HSV	276°, 42%, 100%
XYZ	56.0859, 42.5459, 99.9025
YIQ	179.6330, 4.3930, 47.0570

Conversions

Conversions Part 2

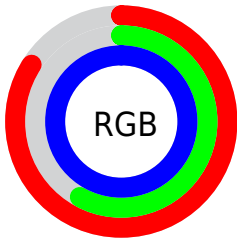
Format	Color
R _{YB}	213, 148, 255
Decimal	13997311
CIE Lab	71.25, 43.32, -43.92
CIE LCh	71, 61.690, 314.608
Yxy	42.5459, 0.2825, 0.2143
Android (android.graphics.Color)	4292187391 (0xFFD594FF)
YUV	179.6330, 37.1559, 29.2629
Hunter-Lab	65.2272, 39.3365, -45.1499

Details

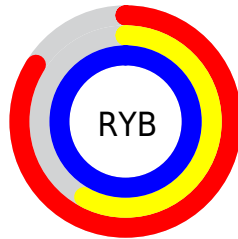
The Yxy color **42.5459, 0.2825, 0.2143** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.6045, 0.3316, 0.4500**, and the grayscale version is **45.2287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1919, 0.3151, 0.2782**, and **19.5109, 0.2719, 0.1889** is the 20% darker color. If you saturate the color by 10%, you get **33.9564, 0.2728, 0.1864**, and if you desaturate by 10%, it is **52.9870, 0.2914, 0.2431**.

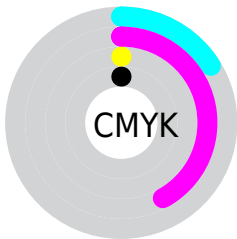
Distribution



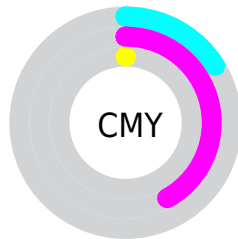
- Red (84%)
- Green (58%)
- Blue (100%)



- Red (84%)
- Yellow (58%)
- Blue (100%)



- Cyan (16%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5459, 0.2825, 0.2143 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 42.5459, 0.2825, 0.2143 by changing the saturation by 10% instead.

 42.5459, 0.2825,
0.2143

 42.5459, 0.2825,
0.2143


356.7409, 0.2990,
0.2666

 29.5290, 0.2781,
0.2028


 79.0252, 0.2887,
0.2322

 19.4814, 0.2725,
0.1888


 103.2563, 0.2910,
0.2392

 12.0186, 0.2649,
0.1715


131.9943, 0.2929,
0.2453

 6.7563, 0.2543,
0.1500

165.6235, 0.2945,
0.2507

 3.3102, 0.2389,
0.1228

204.5284, 0.2959,
0.2554

 1.2957, 0.2153,
0.0883

249.0934, 0.2971,

 0.1379, 0.1817,

0.2595

0.0202

299.7027, 0.2981,
0.2633

0.0000, 0.0529,
0.0000

0.0000, 0.0000,
0.0000

42.5459, 0.2825,
0.2143

42.5459, 0.2825,
0.2143

33.9564, 0.2728,
0.1864

52.9870, 0.2914,
0.2431

27.1038, 0.2623,
0.1605

65.3915, 0.2992,
0.2714

21.8539, 0.2516,
0.1379

79.8576, 0.3060,
0.2987

18.0539, 0.2409,
0.1200

96.4778, 0.3117,
0.3242

■ 15.5199, 0.2307,
0.1072

100.0000, 0.3127,
0.3290

■ 14.1799, 0.2231,
0.1003

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.5459, 0.2129, 0.1984



42.5459, 0.2825, 0.2143



42.5459, 0.3728, 0.2525

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.5459, 0.2825, 0.2143



42.5459, 0.4654, 0.4309



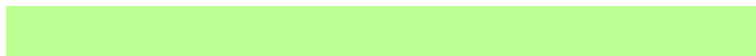
42.5459, 0.1868, 0.3302

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.5459, 0.2825, 0.2143



84.6045, 0.3316, 0.4500

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



42.5459, 0.2426, 0.4278



42.5459, 0.2825, 0.2143



42.5459, 0.4033, 0.4816

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



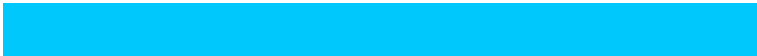
42.5459, 0.2825, 0.2143



42.5459, 0.4873, 0.3681



42.5459, 0.3220, 0.4890



42.5459, 0.1645, 0.2512

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.5459, 0.2825, 0.2143



42.5459, 0.4300, 0.2872



42.5459, 0.3220, 0.4890



42.5459, 0.2018, 0.3628

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42.5446, 0.2825, 0.2143



78.2581, 0.3053, 0.2959



50.6888, 0.2426, 0.2517



16.0385, 0.3039, 0.2900



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.5446, 0.2825, 0.2143



35.5011, 0.2747, 0.1917



48.9883, 0.3265, 0.2345



17.9238, 0.3075, 0.3051



7.4982, 0.2246, 0.1011



0.7934, 0.2354, 0.1070

Inverse Universe

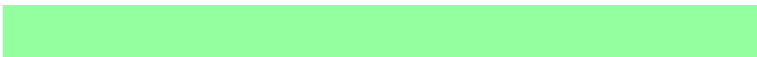
The Inverse Universe completely reimagines the original color for something new.



46.1559, 0.3781, 0.2855



39.7643, 0.3972, 0.2777



80.3081, 0.3014, 0.4466



18.1051, 0.3232, 0.3197



11.6177, 0.5415, 0.2756



1.1519, 0.5111, 0.2589

Previews

White Background



This preview shows how the Yxy color 42.5459, 0.2825, 0.2143 looks on a white background.

Color Contrast Check

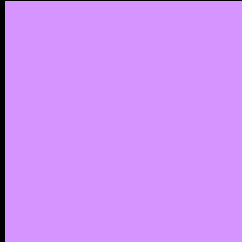
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 42.5459, 0.2825, 0.2143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

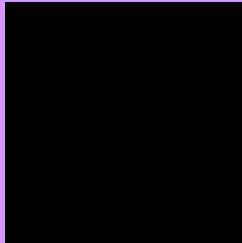
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5459, 0.2825, 0.2143

Background



This preview shows how black text looks on a background with the Yxy color 42.5459, 0.2825, 0.2143.



This preview shows how white text looks on a background with the Yxy color 42.5459, 0.2825, 0.2143.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.5459, 0.2825, 0.2143

Protanopia

42.8360, 0.2375, 0.2278

Deuteranopia

42.9003, 0.2403, 0.2340



Tritanopia

42.5421, 0.3350, 0.3127

Trichromacy



Original Color

42.5459, 0.2825, 0.2143



Protanomaly

41.9604, 0.2513, 0.2210



Deuteranomaly

42.1252, 0.2532, 0.2249



Tritanomaly

42.2316, 0.3144, 0.2726

Monochromacy



Original Color

42.5459, 0.2825, 0.2143



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

43.7167, 0.3019, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5459, 0.2825, 0.2143 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(213, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 148, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(213, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 148, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.5459, 0.2825, 0.2143 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 148, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(213, 148, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(213, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 148,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5459, 0.2825, 0.2143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 148, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(213,  
148, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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